

PCT/03/00890

Rec'd [illegible] PTO 10 DEC 2004

**B. FIELDS SEARCHED**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages

Relevant to claim No.

X	FR 2 804 380 A (RENAULT) 3 August 2001 (2001-08-03) the whole document
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1,2

A

US 6 030 024 A (SCHMIDHUBER HORST ET AL)  
29 February 2000 (2000-02-29)  
figures 1-4

1

A

US 6 382 705 B1 (LANG STEVEN CRAIG ET AL)  
7 May 2002 (2002-05-07)  
figures 1-7

1

A

GB 890 165 A (FORD MOTOR CO)  
28 February 1962 (1962-02-28)  
figures 1-8

1

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

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Date of the actual completion of the international search

Date of mailing of the international search report

15 September 2003

23/09/2003

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Thomas, C

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA 03/00890

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 12 54 483 B (DAIMLER BENZ AG) 16 November 1967 (1967-11-16) figures 1-9	1
A	GB 2 049 774 A (FIAT AUTO SPA) 31 December 1980 (1980-12-31) figures 1-4	1
A	DE 11 74 183 B (DAIMLER BENZ AG) 16 July 1964 (1964-07-16)	
A	GB 1 128 645 A (VAUXHALL MOTORS LTD) 25 September 1968 (1968-09-25)	
A	US 4 135 760 A (GROSSBACH ALFRED) 23 January 1979 (1979-01-23)	
A	US 6 183 039 B1 (KOHUT GEORGE RODNEY ET AL) 6 February 2001 (2001-02-06)	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/CA 03/00890

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2804380	A	03-08-2001	FR 2804380 A1 EP 1252033 A1 WO 0156823 A1 JP 2003521413 T US 2003009846 A1	03-08-2001 30-10-2002 09-08-2001 15-07-2003 16-01-2003
US 6030024	A	29-02-2000	DE 19704811 C1 FR 2759326 A1 TR 9800188 A2	01-10-1998 14-08-1998 21-08-1998
US 6382705	B1	07-05-2002	NONE	
GB 890165	A	28-02-1962	DE 1198224 B	05-08-1965
DE 1254483	B	16-11-1967	DE 1190815 B FR 1301703 A GB 948512 A US 3195945 A	08-04-1965 17-08-1962 05-02-1964 20-07-1965
GB 2049774	A	31-12-1980	IT 1118681 B DE 7931597 U1 FR 2456824 A1	03-03-1986 12-03-1981 12-12-1980
DE 1174183	B	16-07-1964	FR 1285896 A GB 927058 A	23-02-1962 22-05-1963
GB 1128645	A	25-09-1968	NONE	
US 4135760	A	23-01-1979	DE 2624296 A1 CA 1057795 A1 ES 459336 A1 FR 2353411 A1 GB 1580838 A IT 1085814 B JP 52147825 A	15-12-1977 03-07-1979 16-03-1978 30-12-1977 03-12-1980 28-05-1985 08-12-1977
US 6183039	B1	06-02-2001	EP 1153189 A1 WO 0046474 A1	14-11-2001 10-08-2000